

## DAFTAR PUSTAKA

1. Kumar A, Tamanna S, Iftekhar H. 2019. Intracanal medicaments - Their use in modern endodontics: A narrative review; 11(2): 94.
2. Permatasari R, Irbahani M. 2021. Pemilihan Medikamen Intrakanal Pada Perawatan Saluran Akar; 1(3): 158.
3. Sistaningsih E, Suprastiwi E. Perawatan Saluran Akar Ulang Akibat Lepasnya Restorasi: International Journal Dentistry: 2006.p.75.
4. Tamara R, Rochyani L, Teguh PB. Daya hambat ekstrak teripang emas (*Stichopus hermannii*) terhadap bakteri *Enterococcus faecalis*. Dental Jurnal Kedokteran Gigi. Feb 2015: 9(1);2-3.
5. Portenier I, Waltimo TM, Hapasalo M. *Enterococcus faecalis* - the root canal survival and star in post treatment disease. Endodontic Topics.2003;6: 135-159.
6. Santiniaratri M, Hardiyanto W, Mulyawati E. Pengaruh Berbagai Konsentrasi Larutan Irigasi Sodium Hipoklorit Kombinasi Omeprazole 8,5% Sebagai Antibakteri *Enterococcus faecalis*. Journal Kedokteran Gigi.Vol 5 (2). 2014. p.152.
7. Kambaya P, Jumiati J, Masyhudi M. Uji Efek Antibakteri Ekstrak Etanol Buah Belimbing Wuluh (*Averhoa bilimbi L.*) sebagai kandidat bahan medikamen saluran akar gigi terhadap pertumbuhan *Staphylococcus aureus* in vitro. Mulawarman Dental Journal. Vol (1). Maret 2021 p.3.
8. Dentisari AM, Mujayanto R, Kusuma PR. The effectiveness of siwak (*Salvadora pesica*) extract killing capability against *Streptococcus viridans* (in vitro).Vol.4 (2).2022. p.157-158.
9. Tanumihardja M. Larutan irigasi saluran akar. Dentofasial. Oktober 2010; 9(2):98-113.
10. Ruddle CJ, Cleaning and shaping the root canal system. In: Cohen S, Burns RC, editor. Pathways of the pulp. 8<sup>th</sup> ed. Philadelphia: Mosby Inc.;2002. p.241.
11. Silva, Prado MC, Soares DN, Hecksher, Fidalgo S. The effect of ozone therapy in root canal disinfection: A systematic review. International Endodontic Journal: 2019.p.318,329.

12. Tiwari S, Avinash A, Katiyar S, Iyer AA, Jain S. Dental Application of ozone therapy: A review of literature. *The Saudi Journal for Dental Research*. 2017. p.105-109.
13. Yuanita T. The cleanliness differences of root canal walls after irrigated with East Java propolis extract and sodium hypochlorite solutions. *Dental Journal*. 2017.p.6.
14. Mulyawati E. Peran Bahan Disinfeksi Perawatan Saluran Akar. *Majalah Kedokteran Gigi*. Desember. 2011: Vol.18(2). p.205-206.
15. Widyastuti, Sukmasari. Perbedaan Teknik Irigasi Saluran Akar (Konvensional, Agitasi Manual, Ultrasonik) Terhadap Kebersihan Saluran Akar; 2020.p.164-165.
16. Mohammadi Z, Jafarzadeh H, Shalavi S, Kinoshita J. Unusual Root Canal Irrigation Solutions. *The Journal of Contemporary Dental Practice*: 2017.p.415-416.
17. Bachtiar AZ. Perawatan saluran akar pada gigi permanen pada anak dengan bahan gutta percha. *Jurnal PDGI*. Vol 65(2); 2016; p.62.
18. Torabinejad M, Khademi AA, Bahagoli J. A new solution for the removal of the smear layer. *J Endod*. 2003; 29: 170-175.
19. ITIS. Integrated Taxonomic Information System 2020; Available from: <https://www.itis.gov/>
20. Soliman Y, Leonard J. *What's to know about Enterococcus faecalis?* *Medical News Today*. Updated on 2022.
21. Rocas NI, Siqueira FJ, Santos NR. Association of *Enterococcus faecalis* with Different Forms of Periradicular Diseases. Vol.30 (5); 2004.p.315.
22. Evan M, Davies JK, Sundqvist G, Fidgor D. Mechanisms involved in the resistance of the *Enterococcus faecalis* to calcium hydroxide. *Int Endod J*. 2002;35: 221-228.
23. CDC. Healthcare-Associated Infections (HAIs). Information system 2011; Available from <https://www.cdc.gov>
24. Kristanti Y, Desy. Pengaruh ozonated water sebagai antiseptik dalam menghambat pertumbuhan *Staphylococcus aureus*. *Maj Ked Gi*. 2012; 19(1): 25-28.
25. Sulaiman YA, Astuti P, Shinta PD. Uji Antibakteri Ekstrak daun kersen (*Muntingia calabura L.*) Terhadap koloni *Streptococcus viridans*. *Indonesian Journal for Health Sciences*, Vol.1(2). 2017.p.2.

26. Talukdar A, Langthasa M, Barman I. Ozon therapy: Boon to dentistry and medicine. International Journal Present Clinical Dental Restorations. 2015; 2(1): p.62.
27. Hapaasalo M, Shen Y, Gao Y. Irrigation in Endodontics. British Dental Journal. Vol 126 (6). 2014. p.299-300.
28. Estrela C, Estrela CR, Decurcio DA, Hollanda AC, Silva JA. Antimicrobial efficacy of ozonated water, gaseous ozone, sodium hypochlorite and chlorhexidine in infected human root canals. International Endodontic Journal. 2007.p. 85.
29. Pietrzycka K, Pawlicka H. Effectiveness of one visit of teeth infected root canals with and without ozone therapy. Journal Stoma. 2011.p.49.
30. Adachi K, Ozonated Water. Available at: <https://www.educate-yourself.org/ozon art.2.shtml>, Accessed. 2006.
31. Nagayoshi M, Kitamura C, Fukuizimi T, Antimicrobial effect of ozonated water on bacterial invading dentinal tubules. Journal Endodontic.2007;30(11). p.778-781.
32. Polydorou O, Pelz K, Hanh P. Antibacterial effect an ozone device and its comparison with two dentin-bonding system. Europ Journal Science.2006;114(4). p.349.
33. Schemer M, Ferrari PH, Nogales CG, Ozone therapy in medicine and dentistry J. Contemp Dent Pract. 2008. p.72.
34. Signoretto C, Lio MD, Tafi CM, Canepari P. Cell Wall Chemical Composition of *Enterococcus faecalis* in the viable but nonculturable state. Applied and Environmental Microbiology.66(9).2006.
35. Eldeniz AU, Ozer F, Hadimli HH, Bactericidal efficacy of laser irrigation against *Enterococcus faecalis* compared sodium hypochlorite irrigation. International Endodontic Journal. 2007;40(2). p.112.
36. Mithra N, Krishna R, Shihir S, Comparative evaluation of bactericidal effects on *Enterococcus faecalis* using diode laser irrigation sodium hypochlorite and chlorhexidine gluconate irrigation. Oral Health Dental Manag. 2013;12(3). p.145.
37. Murakami H, Mizuguchi M, Hattori M, Ito Y, Kawai T, Hasegawa J. Effect of denture cleaner using ozone against methicillin- resistant staphylococcus aureus and E.coli T1.2001.P.53-60

38. Guley A, Velano M, Beighton D, Assesment of the ozone mediated killing of bacteria in infected dentine associated. Caries Dental Jour Res.2007;5 p.393.
39. Fukuizumi T, Nagayoshi M, Kitamura C, Yano J, Terashita M, Nishihara T. Efficiacy of ozone survival and permeability of oral microorganism. Oral microbiology immuniology. 2004.P.242-246
40. Muller P, Guggenheim B, Schimidin PR. Efficacy of gasiform ozone and photodynamic therapy a multispecies oral biofilm *in vitro*. International Journal Oral Science.2007.115(1) p.77.

# **ATTACHMENT**

## Undangan Seminar Proposal



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI  
UNIVERSITAS HASANUDDIN  
**FAKULTAS KEDOKTERAN GIGI**  
DEPARTEMEN KONSERVASI  
Kampus Unhas Baraya, Jl. Kande'a no.5 Makassar  
Telp( 0411 ) 3616336, 3620022

Nomor : 022/ UN4.13.7.5/DA.08.04/2022 Makassar, 10 Maret 2022  
Lamp : -  
Hal : Undangan Seminar Proposal Skripsi

Kepada Yth.

- Dosen Pembimbing Skripsi
- Dosen Penguji Skripsi

Di -

T e m p a t

Dengan hormat,

Schubungan akan diadakannya Seminar Proposal Skripsi yang di adakannya secara On Line maka dengan ini kami mengundang Bapak / Ibu Staf Dosen Departemen Konservasi untuk menghadiri Seminar Proposal Skripsi bagi mahasiswa di bawah ini :

Nama : **Alya Tasya Widjaya**  
Stambuk : J011191107  
Judul : Effectiveness of ozone water as an alternative Irrigation solution in preventing of biofilm growth enterococcus faecalis (E.faecalis) bacteria: LITERATURE REVIEW

Pembimbing : **drg. Christine A. Rovani, Sp.KG(K)**

Penguji : **1. Dr. drg. Juni Jekti Nugroho, Sp.KG(K)**  
**2. Dr. drg. Hafsah Katu, M.Kes**

Yang akan dilaksanakan pada :

Hari/Tanggal : Kamis, 17 Maret 2022  
Waktu : 10.00 wita – selesai  
Pelaksanaan : Online by Meeting Zoom ( ID dan Password akan diberitahukan kemudian )

Demikian penyampaian ini, atas perhatian dan kerjasamanya diucapkan terima kasih.

Ketua Departemen Konservasi,  
**Dr. drg. Juni Jekti Nugroho, Sp.KG(K)**  
NIP. 19710625 200501 2 001



## Undangan Seminar Hasil



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN  
UNIVERSITAS HASANUDDIN  
**FAKULTAS KEDOKTERAN GIGI**  
DEPARTEMEN KONSERVASI  
Kampus Unhas Baraya, Jl. Kande'a no.5 Makassar  
Telp( 0411 ) 3616336, 3620022

Nomor : 068/ UN4.13.7.5/DA.08.04/2022  
Lamp : -  
Hal : Undangan Seminar Hasil Skripsi

Makassar, 27 Oktober 2022

Kepada Yth,  
• Dosen Pembimbing Skripsi  
• Dosen Penguji Skripsi  
Di -  
Tempat

Dengan hormat,  
Sehubungan akan diadakannya Seminar Hasil Skripsi yang di adakannya secara On Line maka dengan ini kami mengundang Bapak / Ibu Staf Dosen Departemen Konservasi untuk menghadiri Seminar Hasil Skripsi bagi mahasiswa di bawah ini :

Nama : **Alya Tasya Widjaya**  
Stambuk : J011191107  
Judul : Effectiveness of ozone water as an alternative Irrigation solution in preventing of biofilm growth enterococcus faecalis (E.faecalis) bacteria: LITERATURE REVIEW

Pembimbing : **drg. Christine A. Rovani, Sp.KG(K)**  
Penguji : **1. Dr. drg. Juni Jekti Nugroho, Sp.KG(K)**  
**2. Dr. drg. Hafsa Katu, M.Kes**

Yang akan dilaksanakan pada :

Hari/Tanggal : Sabtu, 29 Oktober 2022  
Waktu : 13.00 wita - selesai  
Pelaksanaan : Online by Meeting Zoom  
( ID dan Password akan diberitahunkemudian )

Demikian penyampaian ini, atas perhatian dan kerjasamanya diucapkan terima kasih.



Ketua Departemen Konservasi,

**Dr. drg. Juni Jekti Nugroho, Sp.KG(K)**  
NIP. 19710625 200501 2 001































KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN  
UNIVERSITAS HASANUDDIN  
FAKULTAS KEDOKTERAN GIGI  
DEPARTEMEN KONSERVASI GIGI  
Jl. Perintis Kemerdekaan Km. 10, Makassar 90245  
Telepon (0411)-586200, Fax (0411)-584641  
Laman: dent.unhas.ac.id/ikgm

### KARTU KONTROL SKRIPSI

Nama : Alya Tasya Widjaya  
NIM : J011191107  
Dosen Pembimbing : drg.Christine A.Rovani,sp.KG(K)  
Judul : Effectiveness Of Ozone Water As An Alternative Irrigation Solution  
Bacteria In Root Canal Treatment

No.	Tanggal	Materi Konsultasi	Paraf	
			Pembimbing	Mahasiswa
1.	Rabu,15-09-2021	Penyerahan surat penugasan		
2.	Sabtu, 25-09-2021	ACC Judul		
3.	Sabtu,13-11-2021	Pengumpulan Draft Bab I		
4.	Sabtu,20-11-2021	Diskusi Draft Bab I		
5.	Senin,29-11-2021	Revisi Draft Bab I		
6.	Senin,03-01-2022	Pengumpulan Bab I dan Bab II		
7.	Selasa 11-01-2022	Diskusi Draft Bab I dan Bab II		



8.	Kamis 20-01-2022	Pengumpulan Bab I-III		
9.	Rabu 02-02-2022	Revisi Bab I-III		
10.	Jumat 11-02-2022	Diskusi Draft Bab I-III		
11.	Sabtu 27-02-2022	Diskusi revisi Draft Bab I-III		
12.	Jumat, 04-03-2022	Pengumpulan PPT Seminar Proposal		
13.	Minggu, 20-03-2022	Seminar Proposal		
14.	Selasa, 13-09-2022	Revisi Seminar Proposal		
15.	Selasa, 27-09-2022	Diskusi Bab 4		
16.	Jumat 30-09-2022	Pengumpulan revisi bab 4		
17.	Jumat 14-10-2022	Pengumpulan PPT Seminar Hasil		
18.	Sabtu 15-10-2022	Diskusi Draft Bab 4 dan PPT Seminar Hasil		
19.	Jumat, 21-10-2022	Pengumpulan revisi PPT Seminar Hasil		
20.	Sabtu 29-10-2022	Seminar Hasil		

# DOKUMENTASI

## Seminar Proposal

Conservation Department  
Faculty of Dentistry  
Universitas Hasanuddin

*Literature Review*

**EFFECTIVENESS OF OZONE WATER AS AN ALTERNATIVE IRRIGATION SOLUTION IN PREVENTING OF BIOFILM GROWTH ENTEROCOCCUS FAECALIS (E.FAECALIS) BACTERIA**

Name	: Alya Tasya Widjaya
Nim	: J011191107
Supervisor	: drg. Christine A. Rovani. Sp.KG(K)
Examiner 1	: Dr. drg. Juni Jekti Nugroho. Sp.KG(K)
Examiner 2	: Dr. drg. Hafsah Katu, M.Kes

Alya Tasya W's screen

## Seminar Hasil

Conservation Department  
Faculty of Dentistry  
Universitas Hasanuddin

You are screen sharing | Stop Share

### Literature Review

#### EFFECTIVENESS OF OZONE WATER AS AN ALTERNATIVE IRRIGATION SOLUTION IN PREVENTING OF BIOFILM OF *ENTEROCOCCUS FAECALIS (E.FAECALIS)* BACTERIA

Name : Alya Tasya Widjaya  
Nim : J011191107  
Supervisor : drg.Christine A.Rovani.Sp.KG(K)  
Examiner 1 : Dr.drg.Juni Jekti Nugroho. Sp.KG(K)  
Examiner 2 : Dr. drg. Hafsah Katu, M.Kes

Christine A Rovani  
Hafsah Katu-Makassar  
Izza Aulia